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FIG. 1

-393 TGGCCCTCGAGGCCAAGAATTGCGCACGAGAGCGGGAGCCAGAGGCCAGACCCCTCGCTGGCGCTCCAGACCCAGACCGTGGCGG -301

-300 CGCCTCGCCTTAGGGAAGAGCAAGGGAACATTATTTGAACCGCGAACATTTTGGTCACTGAGATCGAGTCTCCAGTGTCTTTGGCTTCCCGCCTC -201

-200 TTTATCGTGGTTTATCCCTAGCTGCTCTCTCTTCCGAAACCTCCCGGGGTGCAGCCCTAGAGCCCTCCCGCGGCTGACTCCAGAGTAGAGGAAGG -101

-100 AGCGCGCCTCGGCTGGTCCCGAAGCCCTCGTCCCGCAGATCGGATGGCAGCCAGTAGCGGGCGGTGGCCCGCGTCCCGGGAGCGCACAGCA -1

1 ATG CAG GCG CTT AAC ATT ACC CCG GAG CAG TTC TCT CGG CTG CTG CGG GAC CAC AAC CTG ACG CGG GAG CAG TTC 75

1 M Q A L N I T P E Q F S R L L R D H N L T R E Q F 25

76 ATC GCT CTG TAC CGG CTG CGA CCG CTC GTC TAC ACC CCA GAG CTG CCG GGA CGC GCC AAG CTS GCC CTC GTG CTC 150

26 I A L Y R L R P L V Y T P E L P G R A K L A L V L 50

151 ACC GGC GTG CTC ATC TTC GCC CTG GCG CTC TTT GGC AAT GCT CTG GTG TTC TAC GTG GTG ACC CGC AGC AAG GCC 225

51 T G V L I F A L A L F G N A L V F Y V V T R S K A 75

226 ATG CGC ACC GTC ACC AAC ATC TTT ATC TGC TCC TTG GCG CTC AGT GAC CTG CTC ATC ACC TTC TTC TGC ATT CCC 300

76 M R T V T N I F I C S L A L S D L L I T F F C I P 100

301 GTC ACC ATG CTC CAG AAC ATT TCC GAC AAC TGG CTG GGG GGT GCT TTC ATT TGC AAG ATG GTG CCA TTT GTC CAG 375

101 V T M L Q N I S D N W L G G A F I C K M V P F V Q 125

376 TCT ACC GCT GTT GTG ACA GAA ATC CTC ACT ATG ACC TGC ATT GCT GTG GAA AGG CAC CAG GGA CTT GTG CAT CCT 450

126 S T A V V T E I L T M T C I A V E R H Q G L V H P 150

451 TTT AAA ATG AAG TGG CAA TAC ACC AAC GAA CTT GAG ATC AAA TAT GAC TTC CTA TAT GAA AAG GAA CAC ATC TGC 525

151 F K M K W Q Y T N R A F T M L G V V W L V A V I 175

526 GTA GGA TCA CCC ATG TGG CAC GTG CAA CAA CTT GAG ATC AAA TAT GAC TTC CTA TAT GAA AAG GAA CAC ATC TGC 600

176 V G S P M W H V Q Q L E I K Y D F L Y E K E H I C 200

601 TGC TTA GAA GAG TGG ACC AGC CCT GTG CAC CAG AAG ATC TAC ACC ACC TTC ATC CTT GTG ATC CTC TTC CTC CTC 675

201 C L E E W T S P V H Q K I Y T T F I L V I L F L L 225

676 CCT CTT ATG GTG ATG CTT ATT CTG TAC AGT AAA ATT GGT TAT GAA CTT TGG ATA AAG AAA AGA GTT GGG GAT GGT 750

226 P L M V M L I L Y S K I G Y E L W I K K R V G D G 250

751 TCA GTG CTT CGA ACT ATT CAT GGA AAA GAA ATG TCC AAA ATA GCC AGG AAG AAA CGA GCT GTC ATT ATG ATG 825

251 S V L R T I H G K E M S K I A R K K R A V I M M 275

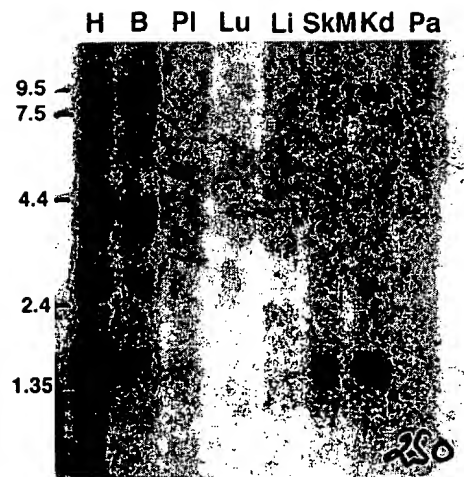
826 GTG ACA GTG GCT CTC TTT GCT GTG TGC TGG GCA CCA TTC CAT GTT GTC CAT ATG ATG ATT GAA TAC AGT AAT 900

276 V T V V A L F A V C W A P F H V V H M M I E Y S N 300

901 TTT GAA AAG GAA TAT GAT GAT GTC ACA ATC AAG ATG ATT TTT GCT ATC GTG CAA ATT ATT GGA TTT TCC AAC TCC 975

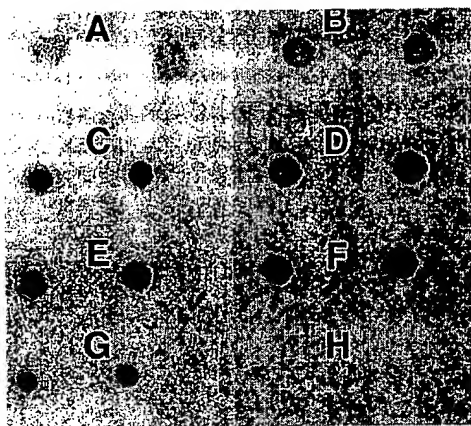
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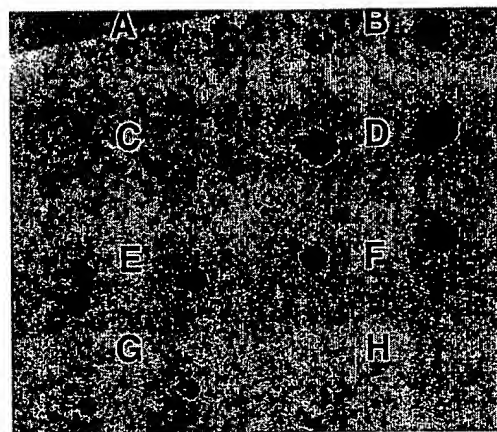


**Figure 2.**

**DIO probe**



**Control probe**



**Figure 3.**